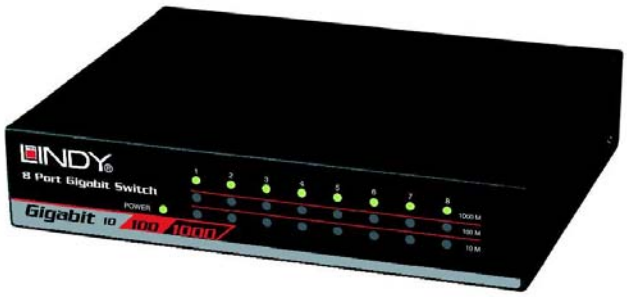
COMPUTER CONNECTION TECHNOLOGY

8 Port Gigabit Desktop Switch

User Manual ***English***



LINDY No. 25007

www.lindy.com

For Home and Office Use
Tested to Comply with FCC Standards

Introduction

Thank you for purchasing the LINDY 8 Port Gigabit Desktop Switch. This high-performance network switch is ideal for use in either the home or the office. Its small footprint design means it can easily fit on your desktop without taking up too much space.

All of its ports are capable of 10, 100 or 1000Mbps auto-negotiation, while the 10/100/1000Mbps auto-sensing ability provides the easiest, most hassle-free way to migrate from a Fast Ethernet to a Gigabit Ethernet network.

This switch delivers a dedicated 10/100/1000Mbps connection to every attached client with no bandwidth congestion issues. It also supports an auto MDI/MDI-X function - each port can be used to connect to another switch or hub without the need for crossover cables!

Store-and-forward architecture is used by the switch to filter and forward data after each packet is received and examined to be free of errors. All of the ports support full and half-duplex operation which doubles the network bandwidth and allows the simultaneous transmission and reception of frames without causing collisions.

The switch provides 9KB Jumbo frame support which can improve network performance by allowing more data to be sent per transmitted frame.

Packing List

- 8 Port Gigabit Desktop Switch
- External Power Supply
- This manual

Specifications

- Standards: IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3ab 1000Base-T
- Ports: 8 x RJ-45 10/100/1000Mbps Gigabit Ethernet
- Auto MDI/MDI-X (Auto crossover)
- Network speed: 10/100/1000Mbps & Full/Half-duplex mode auto detection (1000Mbps Full duplex only)
- Switching Architecture: Store and Forward
- MAC Address: 8K
- Buffer Memory: 144kB
- Nway Auto-negotiation: All ports
- Dimensions: 146 x 118 x 33mm (WxDxH)
- Weight: 0.5kg
- Power Supply: 12V DC, 1A
- Operating Temperature: 10-45°C
- Operating Humidity: 10-90% (Non-condensing)
- Cable Requirements: Gigabit requires RJ-45 STP/UTP, Cat. 5e or higher

LED Indicators

LED	Status	Operation
POWER	On	Power is on
	Off	Power is off
1000M	On	Connected at 1000Mbps
	Flashing	The port is transmitting or receiving data
100M	On	Connected at 100Mbps
	Flashing	The port is transmitting or receiving data
10M	On	Connected at 10Mbps
	Flashing	The port is transmitting or receiving data

Installation

Operating Environment

- This switch must be installed and operated within the limits of the specified operating temperature and humidity (see the **Specifications** section)
- Do not place objects on top of the unit. Do not obstruct any vents on the unit
- Do not position the switch in direct exposure to the sun, or near any heat source such as a heater, radiator etc.
- Prevent water and moisture entering the unit. If necessary, use a dehumidifier to reduce humidity.

Connecting Network Devices

This switch features Auto MDI/MDI-X RJ-45 ports for easy connection to other network devices using straight-through type connecting cable.

1. Connect one end of the network cable to the RJ-45 port on the switch. Connect the other end to the RJ-45 port on the network device
2. Follow the same procedure to connect each of the RJ-45 ports on the switch.
3. The network patch cables must at least comply with the Category 5 standard for 10 and 100Mbps data transmission, and at least Category 5e for 1000Mbps transmission.
4. Please always regard that the maximum segment length of any Ethernet segment is 100m. This can be achieved by using patch cables of no more then 5m length at both ends plus an installation cable in between for the remaining length. Using higher spec network cable can increase this to a certain extent.
5. Connect the power adapter to the mains and to the power socket on the unit.

Troubleshooting

The power LED is not lit

- Check the power adapter is properly connected to both the mains outlet and the switch
- Make sure the power at the mains socket is switched on!

The 1000M Link LED is not lit when connected to a 1000Mbps device

- Check the power cable and power switch of the **device connected to the switch**. Make sure it is turned on!
- Check the network cable. Make sure it is properly connected to the switch and to the network device. The segment length has to be below 100 metres (see remark above) and all cables and connectors in between have to be at least category 5e compliant. **(Cables which are self-made by inexperienced personnel will almost always be non-compliant with Gigabit specifications and requirements!)**
- Should problems persist connect a local 1000Base-T device to check if the port is working correctly. If this works correctly it is probable that the network segment you want to use is not 1000Base-T compliant. Use higher specification cables and connectors for this network segment.
- If you experience any other problems with the switch please contact LINDY or your supplier.

Radio Frequency Energy, Certifications

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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1st Edition May 2005

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